

Leak Detection & Automatic Water Shut-off System

Water Heater Kit - FS3/4NPT

Installation and Operating Manual



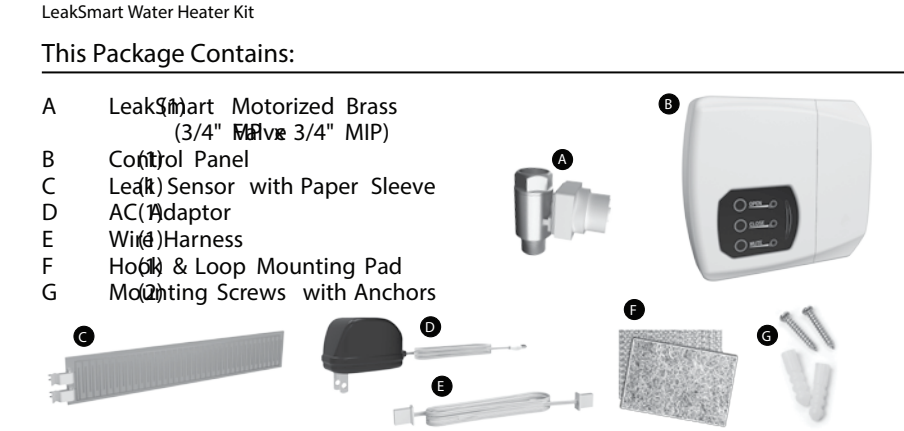
Congratulations on your purchase of a LeakSmart by Waxman electronic water leak detection and automatic water shut-off kit for water heaters. This product has been designed to give you years of reliable service and minimize home water damage by detecting water leaks and automatically shutting off the water supply.

To ensure proper installation and to maximize the performance of your LeakSmart water leak detection system, please read this manual thoroughly.

PLEASE READ CAREFULLY BEFORE PROCEEDING:
If a leak is detected, the LeakSmart Valve will shut off the water going to the water heater. This will stop the continuous flow of water from the water supply to the water heater. However, all or some of the water that is already in the water heater may still leak out onto the floor.

NOTE: This unit was shipped with an installation and operating manual that contains important information about its operation. If you are installing this unit for use by others, we recommend you leave this manual – or a copy of it – with the user.

- Water Heater Kit - Model 8810200
- FEATURES:
- Control Panel has easy to read, lighted function buttons
 - Power with battery backup – For continued operation in the event of power outages
 - Solenoid, full port motorized ball valve for dependable, long lasting performance
 - Valve automatically shuts off the water supply when a leak is detected
 - Automatic maintenance cycling of the valve to ensure reliable operation
 - Valve can be opened and closed with the touch of a button
 - Activates audible alarm when a leak is detected
 - Mute button to silence the audible alarm
 - Can be reset and reused continuously with the touch of a button
 - Can be tested at any time with the touch of a button
 - Can accommodate additional water leak sensors
 - 2 Year Limited Warranty



Check to make sure everything in the package matches the Contents Listing above.
Read the instructions thoroughly before installing or operating the LeakSmart system.

Warning: Do not put finger(s) inside LeakSmart Valve. Risk of serious injury may occur.
Caution: Do not grip plastic motor drive for leverage when tightening LeakSmart Valve.

Preparation

Step 4 instructs you to install the LeakSmart Valve (3/4" FIP x 3/4" MIP) between the rigid water line coming off the manual cold water valve and the water heater. Most rigid lines will be copper. Evaluate your line and determine which size adapter fitting you will need (the most common one will be 3/4" solder x 3/4" MIP). Then determine what size union you will need between the LeakSmart Valve and the water heater. Note that in some cases you can use a flexible or corrugated water heater connector in place of a union.

CAUTION: Make sure the LeakSmart Valve is not connected to the adaptor fitting(s) when soldering.

WARNING:
- For use with water only.
- Do not install on gas line.

STOP: You may need to purchase additional fittings to install the LeakSmart Valve. If you are not sure how to install the LeakSmart Valve to your existing water line, we recommend that you contact a licensed Plumber.

LeakSmart Water Heater Kit

Installation

1. Shut off main water supply valve.

2. Open faucet nearest water heater to relieve water pressure.

3. Shut off the manual cold water valve that supplies water to the water heater. Note that the top of the water heater will usually be marked "Cold" or "Inlet" at the point where the cold water line is connected.

4. Position the LeakSmart Valve so that the arrow on the side of the valve is pointing to the water heater. Install the LeakSmart Valve between the rigid water line coming from the manual cold water valve and the water heater.

NOTE: The LeakSmart Valve should be installed within 2 feet of the water heater so that the Leak Sensor can lay flat on the floor.

5. Mount the LeakSmart Control Panel in an easily accessible location within 30 inches of the LeakSmart Valve. You may mount the panel using the screws and on the back & Loop Mounting Pad provided. When the back & Loop Mounting Pad, make sure the adhesive is put on a clean, dry surface.

NOTE: Depending on the location you pick, and the distance between the Control Panel and the LeakSmart Valve, you may need to purchase a LeakSmart Control Panel to Valve Extension Wire, Model # 8821200 (available where you purchased your LeakSmart System).

6. With the contacts of the wire harness connector facing you, plug the 4-pin connector end of the Wire Harness into the bottom of the Control Panel.

7. Take the short round wire coming from the Control Panel and plug it into the wire coming from the LeakSmart Valve. Make sure the arrow on the side of each plug lines up with each other.

NOTE: The Leak Sensor comes with a paper sleeve. If the Leak Sensor is going to be placed in a metal water heater pan, make sure you leave the paper sleeve on. If the Leak Sensor makes contact with metal, it will signal the LeakSmart Valve to shut off. The paper sleeve acts as a barrier between the Leak Sensor and the metal. When the paper sleeve becomes wet, it will signal the LeakSmart Valve to shut off. If the Leak Sensor will not be contacting metal, you may remove the paper sleeve.

8. Connect plug on end of long flat wire coming from Control Panel to either set of prongs on the Leak Sensor, pushing until plug snaps in place. Then place Leak Sensor on the floor next to the water heater, preferably on the side that is in line with the floor drain.

NOTE: Additional Leak Sensors can be connected together for added protection. For additional Leak Sensors, purchase LeakSmart Water Leak Sensor, Model # 8820700 (available where you purchased your LeakSmart System).

CAUTION: Do not place Leak Sensor or cord in a walk way or other location that may cause someone to trip and fall.

9. Plug the end of the AC Adaptor cord into the Control Panel, and then plug AC Adaptor into a wall outlet. Green indicator lights will start to flash, showing you have power. Note that a red low battery indicator light will also flash about every 30 seconds, and the unit will beep once a minute until the batteries are installed.

NOTE: If a nearby wall outlet is not available you will need to purchase a thin low voltage LeakSmart "AC Adaptor Extension Wire" Model # 8821100 (available where you purchased your LeakSmart System). This wire extends the length of the AC Adaptor cord.

CAUTION: Do not plug the AC Adaptor into an extension cord.

10. LeakSmart has a battery backup system that allows the unit to continue working in the event that you have a power outage. To set up the backup system, open the front of the Control Panel and install 4 fresh alkaline batteries (batteries not included). The low battery indicator light will now stop flashing and the beep will stop.

CAUTION: Replace batteries once a year or sooner as necessary. If batteries need to be changed sooner, a red low battery indicator light will flash and a beep will sound.

